

## STATUS OF HW-28 REPLACEMENT PROJECT AS OF

25 JUNE 1982

1. The Tektronix 8550 system is now back in operation after being sent back to Tektronix for repair of a failed disc drive. After retrieving the unit from Tektronix, I tried new operating software and finally got the linker to work. The EPSOM modules have now been successfully linked, so work will now proceed on the other modules.

2. Updated schematics were obtained from NSA, although the Depot Level Service Manual that I asked for is not available. [redacted] NSA supplied the latest revision of the main processor schematic, dated 11 March 1982. I am still missing a complete schematic of the backplane of the card cage in the RACE, but this is not expected to be a significant problem.

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3. The power supply has arrived, along with the prototype drawer and mounting rack assembly.

4. I wrote a response to the FND memo, outlining ED efforts to replace the HW-28. NSB is working on a system using a TEMPEST printer and the CXK-307 punch as peripherals to off-the-shelf RACE units. About 12 systems could be available for delivery in 4-6 months. I have spent some time with NSB personnel trying to get the RACE to work with the CXK-307 parallel interface. So far, we have not been successful.

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5. [redacted] said he had talked with NSA about using the RACE algorithm in this project. NSA said that a representative [redacted] discussed the project with them and indicated that there was no problem. He also said NSA did not intend on formally answering our memos, since they had supplied the requested information. I asked him to request a memo from NSA anyway. → [redacted]

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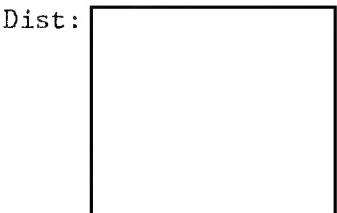
6. Since the last reporting period, I was on leave for a week, and attended a course on Local Area Networks at [redacted] on the 17th and 18th. The next two weeks, I will continue work on the software, which is behind schedule, and hardware. A briefing on the project will also be prepared for presentation on 2 July.

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